

04-15-05

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PTO/SB/21 (03-03)

Approved for use through 04/30/2003. OMB 0651-0031

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|   |                        |               |
|---|------------------------|---------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number     | 10/735,355    |
|   | Filing Date            | Dec. 12, 2003 |
|   | First Named Inventor   | Zhongze Wang  |
|   | Art Unit               | 2812          |
|   | Examiner Name          | J. Kennedy    |
| Total Number of Pages in This Submission  | Attorney Docket Number | MI22-2457     |

| ENCLOSURES (Check all that apply)  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form                     | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to a Technology Center (TC)      |
| <input checked="" type="checkbox"/> Fee Attached                             | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final   | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                           | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter  |
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| <input type="checkbox"/> Express Abandonment Request                         | <input type="checkbox"/> Terminal Disclaimer                              | Return Receipt Postcard; Form PTO-1449; Cited References (6)                            |
| <input checked="" type="checkbox"/> Information Disclosure Statement         | <input type="checkbox"/> Request for Refund                               |   |
| <input type="checkbox"/> Certified Copy of Priority Document(s)              | <input type="checkbox"/> CD, Number of CD(s) _____                        |   |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application    | Remarks   |   |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | Additional Enclosure: A \$180.00 Check                                    |   |

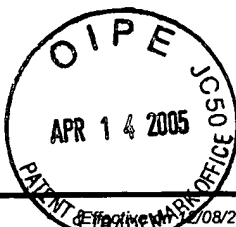
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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |
|--|---|
| Firm or Individual                         | Mark S. Matkin, Reg. No. 32,268<br>Wells St. John, P.S. |
| Signature                                  |   |
| Date                                       | 4/14/05   |

| CERTIFICATE OF TRANSMISSION/MAILING  |             |      |         |
|--|-------------|------|---------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as express mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: _____ |             |      |         |
| Typed or printed   | Jim Tidrick |      |         |
| Signature  |             | Date | 4-14-05 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Effective 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL For FY 2005

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

## Complete if Known

Application Number 10/735,355  
Filing Date 12/12/2003  
First Named Inventor Zhongze Wang  
Examiner Name J. Kennedy  
Art Unit 2812  
Attorney Docket No. MI22-2457

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account Deposit Account Number: 23-0925 Deposit Account Name: Wells St. John, P.S.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

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## FEE CALCULATION

### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES |                       | SEARCH FEES |                       | EXAMINATION FEES |                       | Fees Paid (\$) |
|------------------|-------------|-----------------------|-------------|-----------------------|------------------|-----------------------|----------------|
|                  | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)    | Small Entity Fee (\$) | Fee (\$)         | Small Entity Fee (\$) |                |
| Utility          | 300         | 150                   | 500         | 250                   | 200              | 100                   |                |
| Design           | 200         | 100                   | 100         | 50                    | 130              | 65                    |                |
| Plant            | 200         | 100                   | 300         | 150                   | 160              | 80                    |                |
| Reissue          | 300         | 150                   | 500         | 250                   | 600              | 300                   |                |
| Provisional      | 200         | 100                   |             |                       |                  | 0                     |                |

### 2. EXCESS CLAIM FEES

#### Fee Description

Each claim over 20 (including Reissues)  
Each independent claim over 3 (including Reissues)  
Multiple dependent claims

| Small Entity              |               |
|---------------------------|---------------|
| Fee (\$)                  | Fee (\$)      |
| 50                        | 25            |
| 200                       | 100           |
| 360                       | 180           |
| Multiple Dependent Claims |               |
| Fee (\$)                  | Fee Paid (\$) |

Total Claims Extra Claims Fee (\$) Fee Paid (\$)

- 20 or HP = x =

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims Extra Claims Fee (\$) Fee Paid (\$)

- 3 or HP = x =

HP = highest number of independent claims paid for, if greater than 3.

### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets Extra Sheets Number of each additional 50 or fraction thereof Fee (\$) Fee Paid (\$)

- 100 = / 50 = (round up to a whole number) x =

### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Supplemental Information Disclosure Statement

Fees Paid (\$)

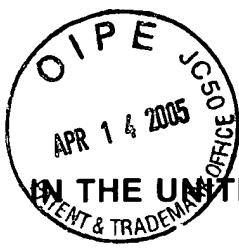
\$180.00

## SUBMITTED BY

Signature Registration No. 32,268 Telephone 509-624-4276  
Name (Print Type) Mark S. Matkin Date 4-15-05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Patent Application Serial No. ....10/735,355  
Filing Date ..... December 12, 2003  
Inventorship ..... Zhongze Wang  
Assignee ..... Micron Technology, Inc.  
Group Art Unit ..... 2811  
Examiner ..... J. Kennedy  
Attorney's Docket No. .... MI22-2457  
Title ..... Wafer Bonding Method of Forming Silicon-On-Insulator Comprising  
Integrated Circuitry

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

References - See Attached Form PTO-1449

In compliance with 37 C.F.R. §§ 1.56, 1.97 and 1.98, your attention is directed to the United States patents and other references listed on the attached Form PTO-1449. Copies of the cited art are not included (1276 Off. Gaz. Pat. Off 55, 05 August 2003). No admission is made regarding whether all the submitted references are prior art.


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Respectfully submitted,

Dated: 4-15-05

By:   
Mark S. Matkin  
Reg. No. 32,268

04/18/2005 HBIZUNES 00000032 10735355  
01 FC:1806 180.00 OP

|   |  |                                  |                          |
|---|--|----------------------------------|--------------------------|
| Form PTO-1449   | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTY. DOCKET NO.<br>MI22-2457    | SERIAL NO.<br>10/735,355 |
|  LIST OF ART CITED BY APPLICANT<br>(Use several sheets if necessary) |  | APPLICANT: Zhongze Wang          |                          |
|   |  | FILING DATE<br>December 12, 2003 | GROUP<br>2811            |

| U.S. PATENT DOCUMENTS |    |                 |         |               |       |          |                            |
|-----------------------|----|-----------------|---------|---------------|-------|----------|----------------------------|
| *Examiner's Initials  |    | Document Number | Date    | Name          | Class | Subclass | Filing Date If Appropriate |
|                       | AA | 6,048,411       | 4/2000  | Henley et al. |       |          |                            |
|                       | AB | 6,071,783       | 6/2000  | Liang et al.  |       |          |                            |
|                       | AC | 6,091,076       | 7/2000  | Deleonibus    |       |          |                            |
|                       | AD | 6,245,729       | 2/2002  | Maszara       |       |          |                            |
|                       | AE | 6,346,729       | 2/2002  | Liang et al.  |       |          |                            |
|                       | AF | 6,358,791       | 3/2002  | Hsu et al.    |       |          |                            |
|                       | AG | 6,403,485       | 6/2002  | Quek et al.   |       |          |                            |
|                       | AH | 6,649,959       | 11/2003 | Hsu et al.    |       |          |                            |
|                       | AI | 6,664,146       | 12/2003 | Yu            |       |          |                            |
|                       | AJ | 2002/004884     | 4/2002  | Sakaguchi     |       |          |                            |
|                       | AK | 2002/0034844    | 3/2002  | Yusukawa      |       |          |                            |
|                       | AL | 10/924,776      |         | Ford          |       |          | 08/25/2004                 |

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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, Etc.)   |    |                 |  |
|---|----|-----------------|--|
|   | AM |                 | Bashir et al., <i>Characterization of sidewall defects in selective epitaxial growth of silicon</i> , 13 J. VAC. SCI. TECHNOL. B, No. 3, pp. 923-927 (May/June 1995).  |
|   | AN |                 | Bashir et al., <i>Reduction of sidewall defect induced leakage currents by the use of nitrided field oxides in silicon selective epitaxial growth ...</i> , 18 J. Vac. Sci. Technol. B, No. 2, pp. 695-699 (March/April 2000). |
|   | AO |                 | Hammad et al., <i>The Pseudo-Two-Dimensional Approach to Model the Drain Section in SOI MOSFETs</i> , 48 IEEE TRANSACTIONS ON ELECTRON DEVICES, No. 2, pp. 386-387 (February 2001).  |
|   | AP |                 | Sivagnaname et al., <i>Stand-by Current in PD-SOI Pseudo-nMOS Circuits</i> , IEEE, pp. 95-96 (2003)  |
|   | AQ |                 | Wang et al., <i>Achieving Low Junction Capacitance on Bulk SI MOSFET Using SDOI Process</i> , Micron Technology, Inc., 12 pages (pre-2004).  |
| EXAMINER  |    | DATE CONSIDERED |  |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |    |                 |  |